

FORM PTO-100  
(REV 1-92)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTORNEYS' DUALITY CERTIFICATE

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

3438 US

U.S. APPLICATION NO. (If known, see 37 CFR 1.31)

09/269148

INTERNATIONAL APPLICATION NO.  
PCT/EP97/02086INTERNATIONAL FILING DATE  
April 24, 1997PRIORITY DATE CLAIMED  
September 12, 1996

TITLE OF INVENTION

METHOD FOR THE DETERMINATION OF COMBUSTION MISFIRES

APPLICANT(S) FOR DO/EO/US

Thomas HOPF and Ulrich STAUFENBERG

MAR 12 1999

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39. (PCT/IEPA/401)
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau. (PCT/IB/308)
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)). 11 pages including **Abstract** specification, claims, drawings, Figs. 1-5 (5 sheets) with English translations of the German legends in Fig. 1-5 and the English word sheets on which the German words under PCT Rule 49.5(d) are translated.
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) words under PCT Rule 49.5(d)
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (2 pages) - unsigned
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98. (PTO-1449) Relevance is noted in the enclosed International Search Report (European Patent Office), 2 pages in English. Also the reference DE (German) 4119399 is discussed on page 1 of the specification.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included
13. ☒ A **FIRST** preliminary amendment. ENTER PRELIMINARY AMENDMENT BEFORE CALCULATING FEES  
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information: WO 98/11416 (cover page)
17. ☒ PCT/.../401
18. ☒ PCT/IB/308

\* APPLICANTS RESERVE JUDGEMENT TO USE THE ENGLISH LEGENDS ON THE COVER PAGE OF WO 98/11416 IF THEY ARE CLEARER TRANSLATIONS.

19. ☒ CLAIM IS HEREBY MADE OF THE BENEFIT OF THE FILING DATE OF GERMAN PATENT APPLICATION 196 37 094.9 FILED SEPTEMBER 12, 1996 UNDER 35 USC 11920. ☒ Express mail mailing label no. EI/501681000S date of deposit March 12, 99

09269148-84169260

17. ☒ The following fees are **filled**:

Basic National Fee (37 CFR 1.492(a)(1)-(5)):  
 Search Report has been prepared by the EPO or JPO..... \$840.00

International preliminary examination fee paid to USPTO (37 CFR 1.482)  
 ..... \$640.00  
 No international preliminary examination fee paid to USPTO (37 CFR 1.482)  
 but international search fee paid to USPTO (37 CFR 1.445(a)(2)).. \$710.00

Neither international preliminary examination fee (37 CFR 1.482) nor  
 international search fee (37 CFR 1.445(a)(2)) paid to USPTO..... \$950.00

International preliminary examination fee paid to USPTO (37 CFR 1.482)  
 and all claims satisfied provisions of PCT Article 33(2)-(4)..... \$90.00

CALCULATIONS PTO USE ONLY

ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 840.

 Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30  
 months from the earliest claimed priority date (37 CFR 1.492(e)). \$

Claims	Number Filed	Number Extra	Rate	
Total Claims	7 -20 =	0	X \$22.00	\$ 0
Independent Claims	1 -3 =	0	X \$74.00	\$ 0
Multiple dependent claims(s) (if applicable) *			+ \$230.00	\$ 0

TOTAL OF ABOVE CALCULATIONS = \$ 840.

 Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement  
 must also be filed. (Note 37 CFR 1.9, 1.27, 1.28). \$

SUBTOTAL = \$ 840.

 Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30  
 months from the earliest claimed priority date (37 CFR 1.492(f)). \$ 0

TOTAL NATIONAL FEE = \$ 840.

 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be  
 accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$

TOTAL FEES ENCLOSED = \$ 840.

 Amount to be:  
 refunded \$  
 charged \$

- a. ☒ A check in the amount of \$ 840 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
 A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  
 overpayment to Deposit Account No. 06-0105. A duplicate copy of this sheet is enclosed.

 NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR  
 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

 \* PLEASE ENTER PRELIMINARY AMENDMENT BEFORE CALCULATING  
 CLAIM FEES

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22,345

REOUFLATION NUMBER

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